

Datasheet for 009-001-R94S**FKBP1A protein-GST fusion****Overview**

Description:	FKBP1A recombinant protein-GST fusion protein - 009-001-R94S
Item No.:	009-001-R94S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	FKBP1A is a member of the immunophilin protein family which plays a role in immunoregulation and basic cellular processes involving protein folding and trafficking. FKBP1A is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and Rapamycin. FKBP1A interacts with various type I receptors, including the TGF-beta type I receptor and competitive binding assays show that the type I receptor may be a natural ligand for FKBP1A (1). FKBP1A-deficient mice have normal skeletal muscle but show severe dilated cardiomyopathy and ventricular septal defects that mimic a human congenital heart disorder (2). FKBP1A Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, AKT/PKB Pathway, Cardiovascular Disease, Inflammation, Neurobiology, and NfκB Pathway research.
Synonyms:	FKBP12, FKBP1, PKC12, PKC12, PPIASE, FKBP-12, FKBP12C, Peptidyl-prolyl cis-trans isomerase FKBP1B, 12.6 kDa FK506-binding protein, FK506-binding protein 1B, Immunophilin FKBP12.6, Rotamase, h-FKBP-12, FKBP-12.6, FKBP-1B
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	FKBP1B
Purity/Specificity:	Recombinant full length human FKBP1A was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry.
Relevant Links:	• NCBI - NM_000801

Application Details

Application Note:	FKBP1A Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. FKBP1A Protein is suitable for use in Western Blot. Expect a band approximately ~ 38.3kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2ug/ul
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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